## Worksheet 8 (Fair Division 3): The Method of Sealed Bids

## Group Names: \_

Jamal, Maggie, and Kendra are dividing an estate consisting of a house, a cabin, and a boat. Their valuations (in thousands) are shown below. We will use the method of sealed bids to determine the final allocation.

Their sealed bids are shown below. To determine the total allocation, fill in the various rows of the table given below.

		Jamal	Maggie	Kendra
	House	\$250	\$280	\$300
	Cabin	\$170	\$200	\$255
	Boat	\$60	<b>\$3</b> 0	\$45
2a)	Total bid	480	510	600
2b)	Fair Share	480 = \$160	$\frac{5/0}{3} = 8/70$ no items	600 = \$200
3a)	Winning	boat	no items	house and cabin
	Bid(s) / who			
3b)	total value of won items	\$ 60	# <sub>O</sub>	\$ 555
4)	(award)-(fair share)	60 - 160 = - 100	0-8170170	555 - 200 = 355
	owes/recieves	receives \$100 from holding	receives 170 from holding	owes \$355 to holding
5a)	total surplus	85	85	85
5b)	share of sur- plus	85/3=28.33	28.33	28.33
8	Final allocation	boat +	\$ 198.33	house, cabin
		\$128.33		and pays # 326.6
	Fair?	\$188.33 7160/	198.337170	555-326.67=228

